

# VMware Aria Operations: Install, Configure, Manage

## Course Overview

This five-day, hands-on training course provides you with the knowledge and skills to deploy a VMware Aria Operations cluster that meets the monitoring requirements of your environment.

This course includes advanced capabilities such as customizing alerts, views, reports, and dashboards and explains the deployment and architecture in Aria Operations. This course explains application monitoring, certificates, policies, capacity and cost concepts, and workload optimization with real-world use cases. This course covers troubleshooting using the workbench, alerts, and predefined dashboards, and how to manage compliance and configurations. This course also covers several management packs.

## Course Objectives

By the end of the course, you should be able to meet the following objectives:

- List the Aria Operations use cases
- Identify features and benefits of Aria Operations
- Determine the Aria Operations cluster that meets your monitoring requirements
- Deploy and configure Aria Operations cluster
- Use interface features to assess and troubleshoot operational problems
- Describe Aria Operations certificates
- Create policies to meet the operational needs of your environment
- Recognize effective ways to optimize performance, capacity, and cost in data centers
- Troubleshoot and manage problems using workbench, alerts, and predefined dashboards
- Manage configurations
- Configure application monitoring using VMware Aria Operations Cloud Appliance
- Create custom symptoms and alert definitions, reports, and views
- Create various custom dashboards using the dashboard creation canvas
- Configure widgets and widget interactions for dashboards
- Create super metrics
- Set up users and user groups for controlled access to your environment
- Extend the capabilities of Aria Operations by adding management packs and configuring solutions
- Monitor the health of the Aria Operations cluster by using self-monitoring dashboards

## Target Audience

- Experienced system administrators and system integrators
- Consultants responsible for designing, implementing, and customizing Aria Operations

### Prerequisites

Before taking this course, you must complete at least one the following:

- [VMware vSphere®: Install, Configure, Manage \[V8\]](#)
- 6 months Hands-on Aria Operations experience

### Course Delivery Options

- Classroom
- Live Online
- [Private Training](#)

## Course Modules

### 1 Course Introduction

- Introduction and course logistics
- Course objectives

### 2 Introduction to Aria Operations

- List the Aria Operations use cases
- Access the Aria Operations User Interface (UI)

### 3 Aria Operations Architecture

- Identify the functions of components in a Aria Operations node
- Identify the types of nodes and their role in Aria Operations cluster
- Outline how high availability is achieved in Aria Operations
- List the components required to enable Continuous Availability (CA)

### 4 Deploying Aria Operations

- Design and size a Aria Operations cluster
- Deploy Aria Operations node
- Install Aria Operations instance
- Describe different Aria Operations deployment scenarios

### 5 Aria Operations Concepts

- Identify product UI components
- Create and use tags to group objects
- Use a custom group to group objects

### 6 Aria Operations Policies and Certificate Management

- Describe Aria Operations certificates
- Create policies for various types of workloads
- Explain how policy inheritance works

### 7 Capacity Optimization

- Define capacity planning terms
- Explain capacity planning models
- Assess the overall capacity of a data center and identify optimization recommendations

### 8 What-If Scenarios and Costing in Aria Operations

- Run what-if scenarios for adding workloads to a data center
- Discuss the types of cost drivers in Aria Operations
- Assess the cost of your data center inventory

### 9 Performance Optimization

- Introduction to performance optimization
- Define the business and operational intentions for a data center
- Automate the process of optimizing and balancing workloads in data centers
- Report the results of optimization potential

### 10 Troubleshooting and Managing Configurations

- Describe the troubleshooting workbench
- Recognize how to troubleshoot problems by monitoring alerts
- Use step-by-step workflows to troubleshoot different vSphere objects
- Assess your environment's compliance to standards
- View the configurations of vSphere objects in your environment

### 11 Operating System and Application Monitoring

- Describe native service discovery and application monitoring features
- Configure application monitoring
- Monitor operating systems and applications by using VMware Aria Operations Cloud

### 12 Custom Alerts

- Create symptom definitions
- Create recommendations, actions, and notifications
- Create alert definitions that monitor resource demand in hosts and VMs
- Build and use custom views in your environment

### 13 Custom Views and Reports

- Build and use custom views in your environment
- Create custom reports for presenting data about your environment



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### 14 Custom Dashboards

- Create dashboards that use predefined and custom widgets
- Configure widgets to interact with other widgets and other dashboards
- Configure the Scoreboard widget to use a metric configuration file
- Manage dashboards by grouping dashboards and sharing dashboards with users

### 15 Super Metrics

- Recognize different types of super metrics
- Create super metrics and associate them with objects
- Enable super metrics in policies

### 16 User Access Control

- Recognize how users are authorized to access objects
- Determine privilege priorities when a user has multiple privileges
- Import users and user groups from an LDAP source

### 17 Extending and managing Aria Operations Deployment

- Identify available management packs in the VMware Marketplace™
- Monitor the health of Aria Operations cluster
- Generate a support bundle
- View Aria Operations logs and audit reports
- Perform Aria Operations cluster management tasks

## Contact

If you have questions or need help registering for this course, click [here](#).



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